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RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH

RECEIVED
JAN 26 2001

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/605,042

Source: 1633

Date Processed by STIC: 1/11/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

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Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/605,042

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's, (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.
- 12 Use of <220>Feature (NEW RULES) Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

1633

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/605,042

DATE: 01/11/2001
 TIME: 13:28:48

Input Set : A:\WU43C.txt
 Output Set: N:\CRF3\01112001\I605042.raw

**Does Not Comply
 Corrected Diskette Needed**

4 <110> APPLICANT: WU, Xue-Ku
 5 SUN, Tunq-Tien
 7 <120> TITLE OF INVENTION: TRANSGENIC ANIMALS AS URINARY BIOREACTORS FOR THE
 8 PRODUCTION OF POLYPEPTIDE IN THE URINE, RECOMBINANT DNA
 9 CONSTRUCT FOR KIDNEY-SPECIFIC EXPRESSION, AND METHOD OF
 10 USING SAME
 12 <130> FILE REFERENCE: WU43C
 14 <140> CURRENT APPLICATION NUMBER: US/09/605,042
 15 <141> CURRENT FILING DATE: 2000-06-26
 17 <150> PRIOR APPLICATION NUMBER: 60/108,195
 18 <151> PRIOR FILING DATE: 1998-11-13
 20 <150> PRIOR APPLICATION NUMBER: 60/142,925
 21 <151> PRIOR FILING DATE: 1999-07-09
 23 <150> PRIOR APPLICATION NUMBER: 09/438,785
 24 <151> PRIOR FILING DATE: 1999-11-12
 26 <160> NUMBER OF SEQ ID NOS: 54
 28 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 9345
 32 <212> TYPE: DNA
 33 <213> ORGANISM: MOUSE UROMODULIN
 35 <400> SEQUENCE: 1
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 37 60
 E--> 38 catatgagat ccagtgacaa gtcacatctct agatgtctgc ataccaataa gtgacccatc
 39 120
 E--> 40 attatgcaat caggccggac tcactctctg tggctttgtc tcttactact gtaaacttga
 41 180
 E--> 42 taacctatat gattttaccc atttcccctc catggcaact aactctctc ttcctatgtg
 43 240
 E--> 44 accctaetta tgctcatgt gactccagct gcttctttg atgagagcca tctgtttctt
 45 300
 E--> 46 tctatgtgac tctgtcact tcttccacgt gactccacca atctgtctac attgcagagt
 47 360
 E--> 48 cactcacagt ttcttgagag cagaagactc agaactgac tgctctcaat gtcctcccta
 49 420
 E--> 50 cactttctcc tcataatcca catatctaaa gctatagaga taatttcatg cactatagct
 51 480
 E--> 52 ttcagtacta tcgtatctac tgtctctacc ctgtaactgg tatcttcatg acatctcgaa
 53 540
 E--> 54 tatttccaat ttctctattg ctgcaaagtc ttgagaagtc tagtcttatg gatctccttt
 55 600
 E--> 56 tctcctcagg tctcctggtc tccacacacc attcacactt ctggaatatt ctttgaacat

60
 120
 format error

see item 1 on
 Error Summary Sheet

RAW SEQUENCE LISTING

DATE: 01/11/2001

PATENT APPLICATION: US/09/605,042

TIME: 13:28:48

Input Set : A:\WU43C.txt

Output Set: N:\CRF3\01112001\I605042.raw

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57 660
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59 720
E--> 60 tctgccceat ctteactcat ctctgctttg gtcattcaaa tctcaaatgt agccattttct
61 780
E--> 62 aaaaggctct ccaagagaat aatatttgaa agcattttgc tattctatca agtgatcata
63 840
E--> 64 caatgtctgc tctgccacc accatgacca tccccatgaa tacagacact gcctttcttag
65 900
E--> 66 tgtttgtctg atgtgttctg tgtggtacat tgtagataaa tgetgtaata aacatctgtg
67 960
E--> 68 gagcaaatg aatcatcaga tagcaccctc tctctgagag gcatgatctc atggttatcc
69 1020
E--> 70 ccaaagcatg aggtaaggac attatcccag gtccatgctg gtttccgtat tgattgtttc
71 1080
E--> 72 taacacaaac ttaatagatt aaaacagcac ggatttatc tcacatgttt tgagacgcca
73 1140
E--> 74 gaaatctgac accagtttca atgttttagc ttgatgcaca cctgtaattc tggtaacttag
75 1200
E--> 76 gaggcagatg cagggggact atgatttaaa gccattttt aagctgctgg gtgagaacct
77 1260
E--> 78 gtcttgattt ttttttcaca ttgggctaaa agtcaaggat catcaggggt ggtgcattct
79 1320
E--> 80 ggaagaaacc ttgccttgc agcttcccag agggccgcca gcattccttg gcttgtgttt
81 1380
E--> 82 ggtcctggaa tcaactgtgac cttatgtccc atcctcacat tccctctgca tttatcctct
83 1440
E--> 84 aagcacgggt gtgcttgtat ccaaccttta ggagcccat agatcccca tttctctctg
85 1500
E--> 86 acttaatac acctgtataa gtacttttca ctctgcaaag caatatttgt gggccaagg
87 1560
E--> 88 gattaggatg tgggtatatt tgtgggtgt cattattcaa tgettcatat ttactctgtt
89 1620
E--> 90 tctctgtttc actttattgg ggtacttgaa cttctaagaa gaactgaggg gtattgttgt
91 1680
E--> 92 aggaactaaa ttcccccatg gacctctgtg ctttccacct atcacacaag acagagggta
93 1740
E--> 94 tttgtatttt tagatccca gaagaaattc ccactctcaa cctccatcc ctgacttgct
95 1800
E--> 96 cacatctaga tgaagcaggg aacagcctga gacctggaac tcaactggagc cagatgactc
97 1860
E--> 98 tatggagtta ggttttagta ttcaagacac gatgcaagac tcacctgcct tccccaca
99 1920
E--> 100 gacatgtggc tgcctgtcaa agtgggggcc atggggctgc tgagactaag tcacgtggac
101 1980
E--> 102 agcgcccatg acaagcagtg acatggagac caaggctgca gtgtgcatgc tccacaggtg
103 2040
E--> 104 cacctgaagc ctcagagacg ggaagaggag agggagcaga aagatggggt acagataccc
105 2100

```

*same
env*

*see then 10 on
Env Summary
Sheet*

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/605,042

DATE: 01/11/2001
 TIME: 13:28:48

Input Set : A:\WU43C.txt
 Output Set: N:\CRF3\01112001\I605042.raw

E--> 106 ctctgttagg aagggettca aaaccgtctt ctaagttttt gatcctttta aatgtatcca
 107 2160
 E--> 108 cctgtcactt gacctctccc tgctctgtct gatcagcttc tcaaaacctt tcatcccttt
 109 2220
 E--> 110 aactccaccc tactgaaaaa agatgaaacc acttgtaaat ataaacctca acagctaagc
 111 2280
 E--> 112 atggaatact gttaacccct caagacataa agctgactga agggataagt ttgaaaaaaa
 113 2340
 E--> 114 tgggcttcag ttgcaactag ctaagtatgt aaccttgaag atattactca gtttctctga
 115 2400
 E--> 116 acttcagtct gctctcctat ttattgacaa catgtaagag cacataccgg gcatttcttg
 117 2460
 E--> 118 tcaccaaagt aagtttccag taccaggaat ggggttatatc taatcgagtt gttggccaaa
 119 2520
 E--> 120 ggagttccat ggaaactccc aaacaatcca ggctattggc aagacttttg atgtctctcc
 121 2580
 E--> 122 acaaaactgac agcaactgtt gaaagacaat acctacacag ctactgaac acagagaagc
 123 2640
 E--> 124 tgagttgggt cctacataaa tctctagct ctatgaaggt ccataatggt attcatggcc
 125 2700
 E--> 126 ctagaagata ctcttccctc caccaaagga gaaatgtaaa cactaagcca gccataaacc
 127 2760
 E--> 128 ctttgggtctg ttagagtggc ctgctgcaa gttctgctgg tgtaataatg gcacagagct
 129 2820
 E--> 130 tgtaggagta accaaacaat atctgatagg ttaaggccca ctccatgaga tcaaacccag
 131 2880
 E--> 132 acctaaacac acttgggttg atgagaaccc gagaccagat aggccagga cctatgggaa
 133 2940
 E--> 134 aactaaacat gactgttctg ctaaaagaac ctaccaataa aatagctcct agtgacattc
 135 3000
 E--> 136 tgccatattt atagatcagt tcttgttca tccatcatca gaaaacttcc tcttcagtag
 137 3060
 E--> 138 atagaacaa atatatagcc cacagccaga taatatccag agagtgagat acctggaac
 139 3120
 E--> 140 actcagctct aaaagggatg tctccatcaa ccccccccc cccaccttt caggactcat
 141 3180
 E--> 142 gaaaccttcc agaagacgag tcagaaagag tgtaagatcc agaagggatg gaggacatcc
 143 3240
 E--> 144 aaaacttaag gccttcaaga cacaactgta agggaaacaca tatgaactta gagagatggt
 145 3300
 E--> 146 gcagcatgca cagagcctgc atgggcttgt accagatggg gttctagagc tgaaaggaga
 147 3360
 E--> 148 aatggatagc cactctgatt cctaacccag aagtgacccc taactgatag tgacttgcaa
 149 3420
 E--> 150 ataaaaaatt agtctttttt caaagggagt ctactggga aaataaacca ctctaaatag
 151 3480
 E--> 152 tagaccccat gccagcagt agatggccaa cagaaatga actcaatgac atctttgacc
 153 3540
 E--> 154 ttcctttgtc ggaaagcttt ttgtttgctt tttcttacc tacaggctct ttgcataatt

some

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/605,042

DATE: 01/11/2001

TIME: 13:28:48

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

155 3600
E--> 156 attatggttt cttgtttcag gtttttaatg gaactcctga gtgtgtgaat gtgtgtgtct
157 3660
E--> 158 ctgcatacat gtgtgtttct taagcccggt ctttttcttt tcttctcttt attgttttaa
159 3720
E--> 160 aaaacaattg ttcttttattt tattattatt ccttatttta gacagaaaca ttgtggatcc
161 3780
E--> 162 agatgggaga agagggttga ggaattggga ggagtaaagg gacagaaacc ataatacagg
163 3840
E--> 164 ggaaccataa tcaggggaga ccataatcag ggggagccat aatcaggggg agccataatc
165 3900
E--> 166 caagggaacc ataatacaga tataactgtat gaaaaaatt ctattttcaa taaaaaaga
167 3960
E--> 168 ataaaaaaa aacagtctga ctgaagaata gcacttgga agtaactctt gttataacaa
169 4020
E--> 170 tccatatcaa atgccctgcc tgtgttagca agttaagaga aaagattatt ccaagagatc
171 4080
E--> 172 caagtctcct tcaaaaccaa gtgtgtacag aacattgtct gaggagtaag attgcatttg
173 4140
E--> 174 gcaacatgca tgtctttaat ggtgtggaga atttcagtgg agttggcacg tcagaaagca
175 4200
E--> 176 cactggtgaa aaatggagag aatagatata tcttttgaga aatttggtct caaaaagtag
177 4260
E--> 178 ggtatcaaat tacttgggtg ctgtgagatc aattgggtgt ctctgtaggt tagcttacat
179 4320
E--> 180 aggagacagg aataagtga ggagagaagg gaggacattg gagcacccaa ggagagagg
181 4380
E--> 182 accttctctc taaaagtga tgaggtggcc ttcattccaa ggagaagaga ttcaggtcgc
183 4440
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185 4500
E--> 186 atggagagag ggggtcaaag atggagcaaa gaaggatgag caagaaaatg gtggatgtgg
187 4560
E--> 188 atactctgag gatggcctgg ctgtggtgag caaaatgtgg gcaaagtggc actccatgaa
189 4620
E--> 190 caagacagct tgcctgtttt gcagatcctt aaataaaggc acatggcatg ccatggaggc
191 4680
E--> 192 taggggagtg gaggggaaag gtatatagat agatgcagaa gtaccagagg agccaggaag
193 4740
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197 4860
E--> 198 gatgaacaga ggccagtctt ggggtgtcagt cttcaggccc tatctacctt gtttttgaga
199 4920
E--> 200 caatctcact tgagtgagtt gagtgactct cctagtatc tacagaggtt tcctcagggt
201 4980
E--> 202 gggaggaaat ggtgggagaa gcaaatttaa gactggttga tttcttgaat ttcagtgggc
203 5040

same

RAW SEQUENCE LISTING
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Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

E--> 204 ttgggaaata gcagctatat attcagtttc ctggttcctg gctggcttcc tggggtgac
205 5100
E--> 206 agagcagagt atagtagccc tgtgtggcag tcacaccaag cagacagaag atagggcatg
207 5160
E--> 208 gctctgggtgt ggtgtgtaga cataggaaag gatccttgta gcaagatggt tgccatctcc
209 5220
E--> 210 agagacttag acagcccagg aaagtttgtc ctcccaggac cagccagcac tgagactgga
211 5280
E--> 212 atgcatcaaa tccagagacc agaaagcacg gtgctagcac ttaggaagag acactagccc
213 5340
E--> 214 aaagtctcct tgctcctgcc taaagctttg ccaattctgc aaaccttgaa aaattagcat
215 5400
E--> 216 ctttaaatc agaagggata caagaagaga acttacatgg gaccttgtaa aaaagcatg
217 5460
E--> 218 ggcacagta actaaagtta caaagataac aatcagtggt gagtgaaca aggacatggc
219 5520
E--> 220 catgtttttt ttgttatgaa acacacgcac aggcacaggc actcacgtgt gcgcacgcgc
221 5580
E--> 222 gcacacacac acacgcgcac acacacacac acgcacgcac acatgcacca cacacaaact
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227 5760
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231 5880
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233 5940
E--> 234 catatataca cacatacaca cacacacaca cgtatatata tgtatatata tatacataca
235 6000
E--> 236 tacacacaca cacacacata tatgtaaaat ttgggaagat atatcaatct tctttaagt
237 6060
E--> 238 acatgctact ttgggtccaaa actttcactt ttaggaagtt aagaaggaaag agacagaata
239 6120
E--> 240 agagatgtcc caagaaagtc agtgtggttg tcttagttat gcttcctgct cagtcaatgt
241 6180
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243 6240
E--> 244 gggactgggt gtggcttgtg gctctagcta tttctatttg tgactgcta tcagcaaagc
245 6300
E--> 246 atccacttca gactttgact caaacatcac caagtattcc cacttgcatg gtctctgtta
247 6360
E--> 248 accagcatca ctgttcacag ggcaggcat cacatctcac aaaggaaaag ggaaaggga
249 6420
E--> 250 gagttaaatt ccctgggata ctagtccagc tggactcagg caaacagcct ctccaattgt
251 6480
E--> 252 aagatgatto cctagtccaa ggacctcta ctgtttggac tccagtcttg tctgacagag

same

RAW SEQUENCE LISTING

DATE: 01/11/2001

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TIME: 13:28:48

Input Set : A:\WU43C.txt

Output Set: N:\CRF3\01112001\I605042.raw

```

253 6540
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255 6600
E--> 256 ctgtctggaa tctagtgagg agyacttata tggatgaagct gtcctttaga acaggagtg
257 6660
E--> 258 gtccagttct tcaaagcaaa cattcctttt atcctaacac agtctgactt cagatatact
259 6720
E--> 260 gtctttttcc tggctccttg ggcttaggtc taccttggtc ttgccaggt ccaagaaaag
261 6780
E--> 262 gccagaacc ttggcactgt ttgccagtt /aatgtctaac tgaggaatgt cttgctgcca
263 6840
E--> 264 aaaggtgaaa acagagacct tgtatttcca ggcacagggtg tgaccccaat gtcaatcatt
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267 6960
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269 7020
E--> 270 gcagagaata atctgaggga gagggccagc caagggcagg caagtatata ttgatcacag
271 7080
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273 7140
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275 7200
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277 7260
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279 7320
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281 7380
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283 7440
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285 7500
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287 7560
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289 7620
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291 7680
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293 7740
E--> 294 cagttctctt ttacataca agctgtgctt cctggtttac atccatgctg tttctgac
295 7800
E--> 296 catatagagg gtacacaaca aaagcatttc ttctgtctat aggggaagcaa attagatcat
297 7860
E--> 298 gcatgtgctt caccacctc tgttctcatg atttcaggca tcagaaacac aagggaaatc
299 7920
E--> 300 caaagtacct aaccatcct tgcctttggg caggtgtttc caggacagag ggcagagtg
301 7980

```

None

see item 10

FYI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/605,042

DATE: 01/11/2001
 TIME: 13:28:48

Input Set : A:\WU43C.txt
 Output Set: N:\CRF3\01112001\I605042.raw

E--> 302 aaaggatggg gatccctttg acctggatgc tgctggtaat gatggtaacc tcttggttca
 303 8040
 E--> 304 ctctggctga agccagtaac tcaacagaag cgagtaagtg tgtgtgtgtg tgtgtgtgtg
 305 8100
 E--> 306 tgtgtgtgtg tgtgtagaga aatgttcctt ttgcagaagc aatcttaatc cctcttttag
 307 8160
 E--> 308 cacacttgat gtgatcttta ttttaagccc atttctcaga ttgtaatgag cacaggactc
 309 8220
 E--> 310 acttcgaagt tttgttaaga tgcaaattct acttttagtag gtctagcaag gggccccgaga
 311 8280
 E--> 312 ctctgaatta atagcagcgt gtgggtgatg tttctggtgg gacaaggggc taaaacacct
 313 8340
 E--> 314 ctgaaccatt tctgcacttc acygtaaagt cacaagcatg ccagataca taagagattt
 315 8400
 E--> 316 gaccacacct tctgttaagt gtgaagtcac cccatggggg tagcttttgc ttccacctg
 317 8460
 E--> 318 gagtactctg gaattacact aagtataatt gtgaggtcat ggttaaaagc acatgttctg
 319 8520
 E--> 320 tggtcaggcc atgtgcgtgt accctgtttg acaactggct tgetcgttct gaatgtcaat
 321 8580
 E--> 322 attcttttct gtaaatgaag aaaatgaaaa tgggttccag cggcaggggg tgtgccctgg
 323 8640
 E--> 324 ggaggattcg cttaactcta gactgaaaag tcaatgaata gaggactcca ctcaggggag
 325 8700
 E--> 326 ctcggtggg tgtgttttga aggtgccaac aacttaacaa gtccagaaaa gcaagaaagt
 327 8760
 E--> 328 atgggcaggg gcacctgcca gctgcaggga ttctgaagct gggctcttct gtccgcagga
 329 8820
 E--> 330 cgggtgtctg aatgccacaa ccacgccacc tgcacygtgg atggtgtggt cacaacgtgc
 331 8880
 E--> 332 tcttgccaga ccggttccac tgggtgatgg ctggtgtgtg aggacatgga tgagtgtgct
 333 8940
 E--> 334 accccatgga ctcacaactg ctccaacagc agctgtgtga acacccggg ctcgtttaag
 335 9000
 E--> 336 tgctcctgtc aggatgggtt tegtctgacg cctgagctga gctgcactga tgtggatgag
 337 9060
 E--> 338 tgctcagagc aggggctcag taactgtcat gccctggcca cctgtgtcaa cacagaaggc
 339 9120
 E--> 340 gactacttgt gcgtgtgtcc cgagggtttt acaggggatg gttggtactg tgagtgtctc
 341 9180
 E--> 342 ccaggtcctt gtgagccagg actggactgc ttgcccagg gcccggtatg aaagctggtg
 343 9240
 E--> 344 tgtcaagacc cctgcaatac atatgagacc ctgactgagt actggcgag cacagagtat
 345 9300
 E--> 346 ggtgtgggct actcctgtga cgcgggtctg cacggctggt accgg
 347 9345
 350 <210> SEQ ID NO: 2
 351 <211> LENGTH: 297
 352 <212> TYPE: DNA

same

RAW SEQUENCE LISTING

DATE: 01/11/2001

PATENT APPLICATION: US/09/605,042

TIME: 13:28:48

Input Set : A:\WU43C.txt

Output Set: N:\CRF3\01112001\I605042.raw


353 <213> ORGANISM: GOAT UROMODULIN
 355 <400> SEQUENCE: 2
 E--> 356 tactggcgca gcacagagta cggctccggc tacgtctgtg atgtcagtct gggcggtgg
 357 60
 E--> 358 taccgcttcg tgggccaggc cggcgtgcgc ctgcccgaga cctgcgtgcc cgtctgcac
 359 120
 E--> 360 tgcaacacgg ccgcgcctat gtggtcaac ggcacgcacc catcgagcga cgagggcac
 361 180
 E--> 362 gtgaaccgcg tggcctgtgc gactggagc ggcgactgct gcctgtggga cgcgcctgtc
 363 240
 E--> 364 caagtgaagg cctgtgccg cggctaactac gtgtacaacc tgacagagcc ccctgag
 365 297
 368 <210> SEQ ID NO: 3
 369 <211> LENGTH: 653
 370 <212> TYPE: DNA
 371 <213> ORGANISM: GOAT UROMODULIN
 373 <400> SEQUENCE: 3
 E--> 374 actatagggc acgcgtggc gacggcccg gctggtaaat cttaaaaaa aaaaaaaca
 375 60
 E--> 376 aaaagaacat cactaagccc cctgcctctg gcactttatt ggaaggtcaa gaacacactc
 377 120
 E--> 378 aaccacacaa gagatgtgaa catacctgtg tggtaaccaa agacatcccc ttccacacat
 379 180
 E--> 380 acatgacctc tccattgggt tgcacattgc tgttagcttt ttgttgaga agggagctag
 381 240
 E--> 382 acacctctac acaaccccc actggagtgc tctggaacag agtaaatacc atcgtgtcat
 383 300
 E--> 384 catggagcgc acacacactg tggctctgca acctcgattt gtgtcctggc tctgtgtctt
 385 360
 E--> 386 accaatgaag caagtagctt aaacctctg aatctcaagt ttctcacc tcaaaactata
 387 420
 E--> 388 gctaaataca aaagtcattt ccagggcca ctggagagga ttctatcaga taatggatag
 389 480
 E--> 390 aagatgccta tcccagtgtt tgacatatcc taagtgtta atacacgaga gtcaccatc
 391 540
 E--> 392 tttactggta ttattgcaca gagaaacaca caaagtgtca gtycccctgc taggtagaga
 393 600
 E--> 394 gggangcang gnaaggagat ctgagcaaaa ggcatagaat atatcaagct ggg
 395 653
 398 <210> SEQ ID NO: 4
 399 <211> LENGTH: 655
 400 <212> TYPE: DNA
 401 <213> ORGANISM: GOAT UROMODULIN
 403 <400> SEQUENCE: 4
 E--> 404 cgggggaagg tttattttgt ttcttttcaa agggggtctt gntctgtctc aaagacenta
 405 60
 E--> 406 aggaccatga aaaaatctct ttgtnaaaag tgccaagcgg tccccactct gaatctgggc
 407 120
 E--> 408 tttctgctc gcagaaagct gctctgaatg tcacgccaat gccacttgta cgggtggacg

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/605,042

DATE: 01/11/2001
TIME: 13:28:49

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

409 180
E--> 410 ggcttgccac gacctgcgcc tgccaggagg gcttactgc gacggcctcg aatgtgcgga
411 240
E--> 412 tctggatgaa tgcgccattc tgggggcgca caactgctcc gccaccaaca gctgcgtgaa
413 300
E--> 414 cgcgctgggc tcttacacat gcgtctgccc tgaaggtttc ctcctgagct cggagctcgg
415 360
E--> 416 ctgcgaggat gtggacgagt gtgcagagcc agggctcagc cgcgtgccacg ccttgccac
417 420
E--> 418 ctgcatcaat ggcgagggca actactcatg cgtgtgtccc gcgggctacg tgggggacgg
419 480
E--> 420 gaggcactgt gagtgttccc cgggctcctg cgggcctggg ctagactgcg tgcgggaggg
421 540
E--> 422 tgacgcgcta gtgtgcgctg acccggtgcca ggcgcaccac atcctggacg aatactggcg
423 600
E--> 424 cagcacagag taaggctccg gctacgtctg tgatgtcagt ctgggcggct ggtac
425 655
428 <210> SEQ ID NO: 5
429 <211> LENGTH: 24
430 <212> TYPE: DNA
431 <213> ORGANISM: MOUSE UROMODULIN
433 <400> SEQUENCE: 5
E--> 434 tggaccagtc ctgtcctggt tcag
435 24
438 <210> SEQ ID NO: 6
439 <211> LENGTH: 24
440 <212> TYPE: DNA
441 <213> ORGANISM: MOUSE UROMODULIN
443 <400> SEQUENCE: 6
E--> 444 ggggtgttcac acagctgctg ttgg
445 24
448 <210> SEQ ID NO: 7
449 <211> LENGTH: 22
450 <212> TYPE: DNA
451 <213> ORGANISM: MOUSE UROMODULIN
453 <400> SEQUENCE: 7
E--> 454 agggctttac aggggatggt tg
455 22
458 <210> SEQ ID NO: 8
459 <211> LENGTH: 22
460 <212> TYPE: DNA
461 <213> ORGANISM: MOUSE UROMODULIN
463 <400> SEQUENCE: 8
E--> 464 gattgcactc agggggetct gt
465 22
468 <210> SEQ ID NO: 9
469 <211> LENGTH: 24
470 <212> TYPE: DNA
471 <213> ORGANISM: MOUSE UROMODULIN



RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/605,042

DATE: 01/11/2001
TIME: 13:28:49

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

473 <400> SEQUENCE: 9
E--> 474 ggaacttcac agatcagacc cgtg
475 24
478 <210> SEQ ID NO: 10
479 <211> LENGTH: 24
480 <212> TYPE: DNA
481 <213> ORGANISM: MOUSE UROMODULIN
483 <400> SEQUENCE: 10
E--> 484 tgccacattc ctccaggaga cagg
485 24
488 <210> SEQ ID NO: 11
489 <211> LENGTH: 22
490 <212> TYPE: DNA
491 <213> ORGANISM: MOUSE UROMODULIN
493 <400> SEQUENCE: 11
E--> 494 agggcctttac aggggatggt tg
495 22
498 <210> SEQ ID NO: 12
499 <211> LENGTH: 22
500 <212> TYPE: DNA
501 <213> ORGANISM: MOUSE UROMODULIN
503 <400> SEQUENCE: 12
E--> 504 gattgcactc agggggctct gt
505 22
508 <210> SEQ ID NO: 13
509 <211> LENGTH: 22
510 <212> TYPE: DNA
511 <213> ORGANISM: MOUSE UROMODULIN
513 <400> SEQUENCE: 13
E--> 514 gcttcagggc ccggatggaa ag
515 22
518 <210> SEQ ID NO: 14
519 <211> LENGTH: 22
520 <212> TYPE: DNA
521 <213> ORGANISM: MOUSE UROMODULIN
523 <400> SEQUENCE: 14
E--> 524 gcagcagtgg tcgctccagt gt
525 22
528 <210> SEQ ID NO: 15
529 <211> LENGTH: 20
530 <212> TYPE: DNA
531 <213> ORGANISM: MOUSE UROMODULIN
533 <400> SEQUENCE: 15
E--> 534 tgtcctatgt gactccagct
535 20
538 <210> SEQ ID NO: 16
539 <211> LENGTH: 20
540 <212> TYPE: DNA
541 <213> ORGANISM: MOUSE UROMODULIN

same

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/605,042

DATE: 01/11/2001
TIME: 13:28:50

Input Set : A:\WU4JC.txt
Output Set: N:\CRF3\01112001\I605042.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:36 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:1
M:254 Repeated in SeqNo=1
L:96 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:96 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:96 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:96 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:96 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
L:294 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:294 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:294 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:294 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
M:340 Repeated in SeqNo=1
L:356 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:2
M:254 Repeated in SeqNo=2
L:374 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:3
M:254 Repeated in SeqNo=3
L:394 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:394 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:394 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:394 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
M:340 Repeated in SeqNo=3
L:404 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:404 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:404 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:404 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:404 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4
L:404 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:4
L:406 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:406 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:406 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:406 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
M:340 Repeated in SeqNo=4
M:254 Repeated in SeqNo=4
L:434 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:5
L:444 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:6
L:454 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:7
L:464 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:8
L:474 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:9
L:484 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:10
L:494 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:11
L:504 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:12
L:514 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:13
L:524 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:14
L:534 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:15
L:544 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:16
L:554 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:17
L:564 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:18

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/605,042

DATE: 01/11/2001
TIME: 13:28:49

Input Set : A:\WU4JC.txt
Output Set: N:\CRF3\01112001\I605042.raw

543 <400> SEQUENCE: 16
E--> 544 tctctcagc tctcttggtc
545 20
546 <210> SEQ ID NO: 17
549 <211> LENGTH: 20
550 <212> TYPE: DNA
551 <213> ORGANISM: MOUSE UROMODULIN
553 <400> SEQUENCE: 17
E--> 554 tctctgcacc accatgacca
555 20
558 <210> SEQ ID NO: 18
559 <211> LENGTH: 20
560 <212> TYPE: DNA
561 <213> ORGANISM: MOUSE UROMODULIN
563 <400> SEQUENCE: 18
E--> 564 aagcacgggt gtgcttgat
565 20
568 <210> SEQ ID NO: 19
569 <211> LENGTH: 20
570 <212> TYPE: DNA
571 <213> ORGANISM: MOUSE UROMODULIN
573 <400> SEQUENCE: 19
E--> 574 atggggctgc tgagactaag
575 20
578 <210> SEQ ID NO: 20
579 <211> LENGTH: 20
580 <212> TYPE: DNA
581 <213> ORGANISM: MOUSE UROMODULIN
583 <400> SEQUENCE: 20
E--> 584 aagtcagact gtgttaggat
585 20

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Same

VERIFICATION SUMMARY

DATE: 01/11/2001

PATENT APPLICATION: US/09/605,042

TIME: 13:28:50

Input Set : A:\WU43C.txt

Output Set: N:\CRF3\01112001\I605042.raw

L:574 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:19
L:584 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:20
L:594 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:21
L:604 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:22
L:614 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:23
L:624 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:24
L:634 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:25
L:644 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:26
L:654 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:27
L:664 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:28
L:674 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:29
L:684 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:28 SEQ:30
L:694 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:28 SEQ:31
L:704 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:32
L:714 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:33
L:724 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:34
L:734 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:35
L:744 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:36
L:754 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:37
M:254 Repeated in SeqNo=37
L:1481 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:29 SEQ:53
L:1494 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:30 SEQ:54



Creation date: 12-19-2003
Indexing Officer: NKING - NICOLE KING
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Dossier: 09605042

Legal Date: 09-17-2001

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Total number of pages: 2

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